

US EPA ARCHIVE DOCUMENT

1996 Modeled Exposure Concentrations for New Hampshire

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- Methods of estimating emissions as well as simplified modeling assumptions may introduce significant uncertainties into each component of the assessment.
[For a discussion of limitations please see http://www.epa.gov/ttn/atw/nata/natsalim2.html](http://www.epa.gov/ttn/atw/nata/natsalim2.html)
- Because of these uncertainties, EPA will not use the results of this assessment to determine source-specific contributions or to set regulatory requirements. However, EPA expects to use these results to inform decisions about the priorities of the air toxics program as well as to guide the collection of additional data that could lead to regulatory decisions.

Estimated Annual Median Exposure Concentrations (ug/m3) for New Hampshire

State	County	FIPS	Urban or Rural	1,1,2,2-TCA	1,3-Butadiene	1,3-Dichloropropene	Acetaldehyde	Acrolein	Acrylonitrile	Arsenic	Benzene	Beryllium	Cadmium	Carbon Tetrachloride	Chloroform	Chromium
National	All	99999	-	2.33E-04	4.79E-02	5.20E-02	4.82E-01	7.21E-02	5.62E-04	4.83E-05	1.19E+00	8.35E-06	3.90E-05	6.41E-01	6.90E-02	5.15E-04
National	All Urban Counties	99998	U	3.50E-04	5.93E-02	6.60E-02	6.45E-01	8.89E-02	8.39E-04	6.25E-05	1.41E+00	1.08E-05	5.90E-05	6.41E-01	6.96E-02	8.25E-04
National	All Rural Counties	99998	R	3.62E-05	1.30E-02	7.09E-03	1.15E-01	3.03E-02	7.64E-05	1.01E-05	6.01E-01	1.09E-06	4.79E-06	6.40E-01	6.80E-02	5.05E-05
New Hampshire	State Total	33000	-	2.13E-04	2.76E-02	2.50E-02	2.91E-01	5.90E-02	4.03E-04	1.81E-05	9.21E-01	3.34E-06	1.08E-05	6.41E-01	6.87E-02	2.93E-04
New Hampshire	State Urban Counties	33000	U	4.50E-04	3.16E-02	3.50E-02	4.39E-01	6.75E-02	8.24E-04	2.56E-05	1.06E+00	5.03E-06	1.63E-05	6.40E-01	6.89E-02	4.36E-04
New Hampshire	State Rural Counties	33000	R	3.81E-05	2.04E-02	7.28E-03	1.15E-01	4.31E-02	7.57E-05	4.13E-06	7.31E-01	8.12E-07	3.58E-06	6.41E-01	6.81E-02	5.41E-05
New Hampshire	Belknap County	33001	R	9.48E-05	3.98E-02	1.31E-02	1.72E-01	5.78E-02	1.82E-04	1.37E-05	1.10E+00	1.62E-06	5.77E-06	6.39E-01	6.82E-02	6.63E-05
New Hampshire	Carroll County	33003	R	2.90E-05	2.13E-02	4.22E-03	9.18E-02	3.93E-02	5.80E-05	2.42E-06	7.78E-01	5.48E-07	2.03E-06	6.40E-01	6.83E-02	1.67E-05
New Hampshire	Cheshire County	33005	R	1.00E-04	1.65E-02	1.16E-02	1.48E-01	4.27E-02	2.24E-04	4.21E-06	6.29E-01	1.15E-06	5.08E-06	6.42E-01	6.81E-02	1.02E-04
New Hampshire	Coos County	33007	R	3.33E-05	1.43E-02	3.07E-03	5.60E-02	3.78E-02	6.56E-05	5.04E-06	5.28E-01	5.85E-07	2.17E-06	6.36E-01	7.31E-02	1.22E-05
New Hampshire	Grafton County	33009	R	2.85E-05	1.82E-02	6.41E-03	8.85E-02	4.17E-02	5.62E-05	2.71E-06	7.04E-01	7.08E-07	1.80E-06	6.37E-01	6.80E-02	2.55E-05
New Hampshire	Hillsborough County	33011	U	4.97E-04	4.90E-02	6.33E-02	6.17E-01	8.68E-02	9.16E-04	4.64E-05	1.34E+00	8.73E-06	2.50E-05	6.42E-01	6.92E-02	6.31E-04
New Hampshire	Merrimack County	33013	U	1.25E-04	1.68E-02	1.72E-02	2.20E-01	5.40E-02	2.36E-04	1.22E-05	7.95E-01	2.35E-06	7.59E-06	6.40E-01	6.83E-02	1.55E-04
New Hampshire	Rockingham County	33015	U	5.12E-04	2.84E-02	3.57E-02	4.43E-01	6.55E-02	9.24E-04	2.51E-05	1.08E+00	5.07E-06	1.73E-05	6.38E-01	6.90E-02	4.24E-04
New Hampshire	Strafford County	33017	U	5.01E-04	2.21E-02	2.43E-02	2.65E-01	4.91E-02	8.88E-04	1.66E-05	8.45E-01	2.85E-06	8.94E-06	6.42E-01	6.84E-02	4.95E-04
New Hampshire	Sullivan County	33019	R	3.48E-05	1.61E-02	8.33E-03	1.20E-01	4.39E-02	7.29E-05	3.40E-06	6.67E-01	8.98E-07	3.90E-06	6.43E-01	6.80E-02	1.60E-04

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- The exposure estimates presented below are representative of midrange estimates of population exposures. Due to a number of factors, some individuals may have substantially higher or lower exposures. It is important to note that the model, as applied on the national scale, is not designed to quantify these extreme values of individual exposures.
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				Estimated Annual Median Exposure Concentrations (ug/m3) for New Hampshire												
State	County	FIPS	Urban or Rural	Coke Oven Emissions	Diesel PM	Ethylene Dibromide	Ethylene Dichloride	Ethylene Oxide	Formaldehyde	Hexachlorobenzene	Hydrazine	Lead	Manganese	Mercury	Methylene Chloride	Nickel
National	All	99999	-	0.00E+00	1.07E+00	6.08E-03	5.27E-02	1.25E-03	6.77E-01	7.51E-05	3.71E-08	1.54E-03	1.06E-03	1.33E-03	2.72E-01	7.43E-04
National	All Urban Counties	99998	U	0.00E+00	1.30E+00	6.08E-03	5.28E-02	1.80E-03	8.22E-01	7.51E-05	6.61E-08	2.50E-03	1.32E-03	1.40E-03	3.22E-01	1.10E-03
National	All Rural Counties	99998	R	0.00E+00	4.63E-01	6.08E-03	5.26E-02	1.05E-04	3.45E-01	7.51E-05	9.29E-10	1.45E-04	2.38E-04	1.21E-03	1.40E-01	8.37E-05
New Hamps	State Total	33000	-	0.00E+00	8.19E-01	6.08E-03	5.27E-02	4.97E-04	5.39E-01	7.50E-05	1.68E-08	7.99E-04	3.91E-04	1.29E-03	2.08E-01	4.15E-04
New Hamps	State Urban Counties	33000	U	0.00E+00	1.04E+00	6.08E-03	5.27E-02	6.31E-04	6.74E-01	7.50E-05	4.66E-08	1.22E-03	5.47E-04	1.34E-03	2.52E-01	5.33E-04
New Hamps	State Rural Counties	33000	R	0.00E+00	4.51E-01	6.08E-03	5.26E-02	1.98E-04	3.59E-01	7.50E-05	1.96E-10	1.88E-04	1.56E-04	1.22E-03	1.40E-01	1.09E-04
New Hamps	Belknap County	33001	R	0.00E+00	5.71E-01	6.08E-03	5.26E-02	2.07E-04	4.23E-01	7.50E-05	3.62E-11	4.74E-04	1.55E-04	1.25E-03	1.49E-01	2.02E-04
New Hamps	Carroll County	33003	R	0.00E+00	3.82E-01	6.08E-03	5.25E-02	9.76E-05	3.29E-01	7.50E-05	5.08E-11	5.40E-05	7.16E-05	1.20E-03	1.33E-01	4.43E-05
New Hamps	Cheshire County	33005	R	0.00E+00	7.15E-01	6.08E-03	5.24E-02	1.34E-03	4.03E-01	7.50E-05	8.86E-09	2.90E-04	1.95E-04	1.25E-03	1.59E-01	1.20E-04
New Hamps	Coos County	33007	R	0.00E+00	2.28E-01	6.09E-03	5.28E-02	9.24E-05	3.33E-01	7.51E-05	2.81E-09	9.01E-05	1.70E-04	1.19E-03	1.26E-01	2.31E-05
New Hamps	Grafton County	33009	R	0.00E+00	3.99E-01	6.08E-03	5.24E-02	2.09E-04	3.41E-01	7.50E-05	4.55E-11	1.38E-04	1.42E-04	1.20E-03	1.33E-01	9.72E-05
New Hamps	Hillsborough County	33011	U	0.00E+00	1.25E+00	6.08E-03	5.27E-02	1.04E-03	8.75E-01	7.50E-05	8.72E-08	1.87E-03	8.46E-04	1.36E-03	2.85E-01	7.80E-04
New Hamps	Merrimack County	33013	U	0.00E+00	6.64E-01	6.08E-03	5.26E-02	3.73E-04	4.77E-01	7.50E-05	1.71E-09	1.83E-03	2.20E-04	1.26E-03	1.71E-01	4.35E-04
New Hamps	Rockingham County	33015	U	0.00E+00	1.04E+00	6.08E-03	5.27E-02	5.88E-04	6.85E-01	7.50E-05	7.68E-08	8.45E-04	5.87E-04	1.35E-03	2.45E-01	4.44E-04
New Hamps	Strafford County	33017	U	0.00E+00	6.98E-01	6.08E-03	5.27E-02	3.11E-04	5.05E-01	7.50E-05	1.93E-08	6.13E-04	3.34E-04	1.26E-03	3.59E-01	5.19E-04
New Hamps	Sullivan County	33019	R	0.00E+00	5.15E-01	6.08E-03	5.25E-02	3.50E-04	3.70E-01	7.51E-05	1.24E-09	2.92E-04	2.46E-04	1.25E-03	1.39E-01	5.58E-04

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State	County	FIPS	Urban or Rural	PCBS	Perchloroethylene	POM (total)	Propylene Dichloride	Quinoline	Trichloroethylene	Vinyl Chloride						
National	All	99999	-	3.00E-04	1.84E-01	4.27E-02	3.11E-05	1.85E-07	9.86E-02	7.61E-04						
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National	All Rural Counties	99998	R	3.00E-04	1.14E-01	9.18E-03	4.85E-06	1.07E-08	7.06E-02	1.05E-04						
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